

STEREO MOC Status Report  
Time Period: 2011:073 - 2011:079

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 075, during the DSS 65 support, turbo decoder lock was lost intermittently beginning at 0739z through 0823z. This resulted in the loss of several minutes of instrument SSR data. See DR# N107209 for more information.
- On day 079, during the DSS 14 support, initial telemetry lock at BOT was delayed seven minutes due to the antenna pointing model. A conscan was initiated telemetry lock occurred at 1307z. Later, a DCD anomaly occurred at 1335z which caused intermittent loss of telemetry through 1526z. The downlink receivers were switched to correct this problem. These anomalies resulted in the loss of several minutes of instrument SSR data. See DR# G111231 and G111233 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 074, DHS release 1.1.2 was loaded to C&DH EEPROM which added IMPACT APID 0x201 to the RT telemetry for downlink rates 240, 160, 120, and 96 kbps.
- On day 076, PLASTIC science SSR partition began overwriting at 1535z due to insufficient track coverage. This resulted in the loss of 2.8 hours of science data.
- The average daily SSR playback volume for Ahead was 5.4 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 074, during the DSS 14 support, telemetry lock was lost at 0121z due to antenna brakes setting. The antenna brakes were reset and the station was back on-point at 0125z. Later in the support, the DCD failed over twice to the redundant side at 0133z and at 0155z. These anomalies

resulted in the loss of several hours of instrument SSR data. See DR# G111202 & G111203 for more information.

- On day 075, during the DSS 55 support, turbo decoder lock was lost briefly at 2036z. This resulted in the loss of 18 frames of SECCHI SSR data. See DR# N107213 for more information.
- On day 077, during the DSS 45 support, telemetry lock was lost at 0822z due to antenna brakes setting during the transition from generator to commercial power. The antenna controller was reset and the station was back on-point at 0900z. SSR pointers were repositioned during the next track and all instrument SSR data was recovered. See DR# C107990 for more information.
- On day 079, during the DSS 65 support, turbo decoder lock was lost briefly at 1832z. This resulted in the loss of two frames of SECCHI SSR data. See DR# N107221 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 074, DHS release 1.1.2 was loaded to C&DH EEPROM which added IMPACT APID 0x201 to the RT telemetry for downlink rates 240, 160, 120, and 96 kbps.
- On day 076, the playback of SECCHI SSR2, special event partition #20, was enabled at 1754z.
- On day 078, SECCHI SSR1 synoptic science SSR partition filled at 1959z due to moving SSR pointers on day 077. This resulted in the loss of 39 minutes of science data.
- The average daily SSR playback volume for Behind was 5.4 Gbits during this week.